

CLAIMS

1) A cosmetic composition for creating a cosmetic coating having a metallic and multicolored iridescent appearance, comprising a liquid phase and a PVD aluminum pigment, wherein said PVD aluminum pigment has diffractive structures containing from approximately 5,000 to approximately 20,000 structural elements per cm and a metallic aluminum content of from 90 to

5 100 % by weight, based on the weight of the aluminum pigment, and is present in the cosmetic composition at a pigmentation level of from 0.05 to 5.0 % by weight, based on the total weight the cosmetic composition.

10 15 20 25 30 2) The cosmetic composition as defined in claim 1,

characterized in that

said aluminum pigment has from approximately 7,000 to approximately 15,000 structural elements per cm.

3) The cosmetic composition as defined in claim 1 or claim 2,

characterized in that

said cosmetic composition additionally contains at least one film-forming component and is a nail varnish.

20 25 30 4) The cosmetic composition as defined in claim 1 or claim 2,

characterized in that

said cosmetic composition additionally contains one or more waxes and is a lip gloss composition.

5) The cosmetic composition as defined in claim 3,

characterized in that

said film-forming component comprises cellulose nitrate having a molecular weight of more than 56,000 g/mol and preferably more than 112,000 g/mol.

6) The cosmetic composition as defined in claim 3 or claim 5,

characterized in that

said film-forming component comprises cellulose nitrate.

- 7) The cosmetic composition as defined in any one of claims 3, 5 and 6, characterized in that
5 said film-forming component comprises cellulose acetate butyrate having a molecular weight of preferably more than 83,000 g/mol.
- 8) The cosmetic composition as defined in any one of claims 3, 5, 6, and 7, characterized in that
10 said liquid phase is an organic solvent preferably selected from the group consisting of toluene, *n*-propyl acetate, isopropyl acetate, isopropyl alcohol, ethyl acetate, ethanol, glycol ether, *n*-butyl acetate, methyl proposol acetate, and mixtures thereof.
- 15 9) The cosmetic composition as defined in any one of claims 3, 5, 6, 7, and 8, characterized in that
said cosmetic composition additionally contains a plasticizer and/or a dispersing agent.
- 20 10) The cosmetic composition as defined in any one of claims 3, 5, 6, 7, 8, and 9, characterized in that
said cosmetic composition contains, as plasticizer, at least dibutyl phthalate, optionally together with saccharose acetate isobutyrate.
- 25 11) The cosmetic composition as defined in claim 9 or claim 10, characterized in that
said cosmetic composition contains, as dispersing agent, bentonites and/or polymeric urea .
- 30 12) The cosmetic composition as defined in any one of claims 3, 5, 6, 7, 8, 9, 10, and 11, characterized in that
the aluminum pigment is present at a pigmentation level of from 0.1 % to 2.0 % by weight.

13) The cosmetic composition as defined in any one of claims 3, 5, 6, 7, 8, 9, 10,
11, and 12,
characterized in that

5 said cosmetic composition additionally contains at least one coloring agent.

14) The cosmetic composition as defined in claim 13,
characterized in that
said coloring agent is a colored pigment and/or dye.

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15) The cosmetic composition as defined in any one of claims 3, 5, 6, 7, 8, 9, 10,
11, 12, 13, and 14,
characterized in that
said diffractive structures are a reflection grating.

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16) The composition as defined in any one of claims 3, 5, 6, 7, 8, 9, 10, 11, 12,
13, 14, and 15,
characterized in that
said PVD aluminum pigment has a layer thickness of from approximately
20 nm to approximately 140 nm and preferably from approximately 20 nm to
approximately 100 nm.

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17) The cosmetic composition as defined in claim 4,
characterized in that
said liquid phase additionally contains oil and/or gel.

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18) The cosmetic composition as defined in claim 4 or claim 17,
characterized in that
said cosmetic composition contains additives such as antioxidants, coloring
agents, emulsifiers, vitamins, perfumes, and/or fillers.

19) The cosmetic composition as defined in claim 17 or claim 18,
characterized in that

said oil is selected from the group consisting of castor oil, canola oil, lanoline oil, silicone oils, polybutylene, mineral oils, oleyl alcohol, isocetyl alcohol and esters such as isopropyl myristate or decyl oleate, and mixtures thereof.

- 5 20) The cosmetic composition as defined in any one of claims 4, 17, 18, and 19,
characterized in that
said wax is selected from the group consisting of carnauba wax, candelilla
wax, ozocerite, ceresine wax, microcrystalline wax, synthetic waxes such as
the glycerin esters of C₁₈ to C₃₆ fatty acids, cetyl alcohol, stearyl alcohol,
10 lanoline, beeswax, and mixtures thereof.
- 15 21) The cosmetic composition as defined in any one of claims 4, 17, 18, 19, and
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characterized in that
said cosmetic composition additionally contains at least one coloring agent.
- 20 22) The cosmetic composition as defined in claim 21,
characterized in that
said coloring agent is a colored pigment and/or dye.
- 25 23) The cosmetic composition as defined in any one of claims 4, 17, 18, 19, 20,
21, and 22,
characterized in that
said cosmetic composition further contains one or more additives such as
perfume, antioxidants, light-stabilizing agents, or preservatives.
- 30 24) The cosmetic composition as defined in any one of claims 4, 17, 18, 19, 20,
21, 22, and 23,
characterized in that
said aluminum pigment is present at a pigmentation level of from 0.2 to 2.0 %
by weight, based on the total weight of the cosmetic composition .
- 35 25) The cosmetic composition as defined in any one of claims 4, 17, 18, 19, 20,
21, 22, 23, and 24,

characterized in that
said diffractive structures are a reflection grating.

- 26) The cosmetic composition as defined in any one of claims 4, 17, 18, 19, 20,
5 21, 22, 23, 24, and 25,
characterized in that
said PVD aluminum pigment has a layer thickness of from approximately
20 nm to approximately 140 nm and preferably from approximately 20 nm to
approximately 100 nm.

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- 27) An artificial fingernail,
characterized in that
said artificial fingernail is coated with a cosmetic composition as defined in
any one of claims 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, and 15.

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Summary

The invention relates to a cosmetic composition for creating a cosmetic coating having a metallic and multicolored iridescent appearance, comprising a liquid phase and a PVD aluminum pigment, wherein said PVD aluminum pigment has diffractive structures containing from approximately 5,000 to approximately 20,000 structural elements per cm and a metallic aluminum content of from 90 % to 100 % by weight, based on the weight of the aluminum pigment, and is present in the cosmetic composition at a pigmentation level of from 1.0 to 8.0 % by weight, based on the total weight of the cosmetic composition. The invention further relates to an artificial fingernail.